



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 6] नई दिल्ली, शनिवार, फरवरी 9, 1980 (माघ 20, 1901)
No. 6] NEW DELHI, SATURDAY, FEBRUARY 9, 1980 (MAGHA 20, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS & DESIGNS
Calcutta, the 9th February 1980

CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated the 25th August 1979, under the heading 'COMPLETE SPECIFICATIONS ACCEPTED'.

In page 504, column 1 insert patent No. 146716 against application No. 201/Cal/78 dated the 23rd February 1978 at the right hand top corner.

(2)

In the Gazette of India, Part III, Section 2 dated the 15th September 1979 under the heading 'COMPLETE SPECIFICATIONS ACCEPTED'.

In page 547, column 1, line 1, insert Int. Cl. F02b 7/06 below 'CLASS: 107G' and Pat. No. 146808 in place of "I.C.F. 0267/06".

(3)

In the Gazette of India, Part III, Section 2, dated the 6th October 1979, under the heading 'COMPLETE SPECIFICATIONS ACCEPTED'.

In page 582, column 2, line 5, against No. 146871—
for "DEVFLOPMENT"
read "DEVELOPPMENT"

(4)

In the Gazette of India, Part III, Section 2 dated the 13th October 1979 under the heading 'COMPLETE SPECIFICATIONS ACCEPTED'.

In page 595, column 2, insert Pat. No. 146906 against Application No. 726/Cal/77 dated the 16th May 1977 at the right hand top corner

(5)

In the Gazette of India, Part III, Section 2, dated the 20th October 1979 under the heading 'COMPLETE SPECIFICATIONS ACCEPTED'.

In page 606, column 2, line 9, against No. 146916.
for 'Application No. 1141/Cal/76'
read 'Application No. 1191/Cal/76'

(2)

In page 623, column 1, line 9, against No. 146983—
for 'CHHAGABHAI'
read 'CHHAGANBHAI'

(3)

In page 627, column 1, line 5, against No. 147000—
for 'GOODEAR'
read 'GOODYEAR'

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

3rd January, 1980.

16/Cal/80. I. K. Field. Load-bearing wallboard for buildings and building containing such wallboards.

17/Cal/80. Rhone-Poulenc Industries. Process for the preparation of glycidyl polyethers of polyphenols.

18/Cal/80. Nustep Trenndusen Entwicklungs-Und Patentverwertungs-Gesellschaft MBH & Co. KG. Uranium enrichment apparatus of the separating-nozzle type.

19/Cal/80. Maschinenfabrik Buckau R. Wolf A.G. Process for pelletizing and granulating ammonium sulfate.

(65)

20/Cal/80. Voest-Alpine Aktiengesellschaft. Midge roof supporting structure.

4th January 1980.

21/Cal/80. Lucas Industries Limited. Warning lamp arrangements for vehicle battery charging systems. (January 5, 1979).

22/Cal/80. Fabryka Sprzetu Ratunkowego i Lamp Gorniczych FASER. Mining protective canister.

5th January, 1980.

23/Cal/80. Anic S.p.A. and Snamprogetti S.p.A. Compounds formed by combining transition metal halides or oxyhalides, or aluminium chloride, with alkaline earth metal halides.

24/Cal/80. Satake Engineering Co. Ltd. Automatic control system for hulling machines.

7th January, 1980.

25/Cal/80. Shell Internationale Research Maatschappij B. V. Centrifugal pump for powder and a process and apparatus for the gasification of coal powder.

26/Cal/80. Union Carbide Corporation. A method for reducing sharkskin melt fracture during extrusion of ethylene polymers.

8th January, 1980.

27/Cal/80. Plessey Handel Und Investments A.G. Improvements in or relating to dial units for telephone sets. (January 8, 1979).

28/Cal/80. BPB Industries Limited. Calcination method and apparatus. (January 8, 1979).

9th January, 1980.

29/Cal/80. M. Gatti. Gantry apparatus for unloading dry loads from ships.

30/Cal/80. Rieter Deutschland GMBH. Turntable for depositing a fibre sliver into a spinning can. (January 11, 1979).

31/Cal/80. Sredneaziatytsky Nauchno-Issledovatel'skiy Institut Prirodnogo Gaza. Method and apparatus for the preparation of drilling mud.

32/Cal/80. W. Burth. Method and apparatus for winding (putting through) an endless strip in a storage means.

APPLICATION FOR PATENTS AT THE (DEIHI BRANCH)

10th December, 1979.

883/Del/79. Gopal Sharma, "Central heating plant for residences".

884/Del/79. Miles Laboratories, Inc. "Color Stable Glucose Test".

885/Del/79. O & K Orenstein & Koppel aktiengesellschaft, "A Hydraulically operated self-propelled excavator".

11th December, 1979.

886/Del/79. P.C.U.K. Produits chimiques usine kuhlmann, "Improvement in the faraday yield in the electrolytic preparation of sodium chlorate".

887/Del/79. P.C.U.K. Produits chimiques usine kuhlmann, "New process for the preparation of mononitro-1, 2, 3, 4, tetrahydro-anthraquinones".

888/Del/79. M & T Chemicals Inc. "Synergistic heat stabilizer compositions containing an antimony or a bismuth compound".

12th December, 1979.

889/Del/79. Elise genoud, "A biological fertilizer for all cultivation purposes".

890/Del/79. Industrie Pirelli Spa, "Tyre tread".

891/Del/79. Science union et cie, "A process for producing a novel biological substance from a fungus".

892/Del/79. Science union et cie, "Process for producing novel thiobutyramides".

14th December, 1979

893/Del/79. Olga meyer and ruiner meyer, "Protective coating for cathodically protected metal surfaces".

894/Del/79. John longley peel, "Improvements in methods of sterilisation". (January 11th, 1979.)

895/Del/79. Standard oil company, "High activity catalyst for the polymerization of alpha-olefins".

896/Del/79. USM Corporation, "Process and apparatus for processing plastic and polymeric materials".

897/Del/79. Ravi Ralph, "Limnological Plankton sampler".
15th December, 1979.

898/Del/79. Thermo Controls, "A thermostat and to a process for the manufacture thereof".

899/Del/79. Thermo Controls, "A thermostat and to a process for the manufacture thereof".

900/Del/79. Ramesh Chandra Tyagi, Sartaj Swaroop Mathur, Gulshan Rai Mehta, Dharam Singh, "A solar concentrator". (Divisional date December 16, 1978).

901/Del/79. Ramesh Chandra Tyagi, Sartaj Swaroop Mathur, Gulshan Rai Mehta, Dharam Singh, "A solar concentrator". (Divisional dated December 16, 1978).

ALTERATION OF DATE

147352

Ante-dated 18th December, 1976.

120/Del/77

147363

Post-dated 30th April, 1977.

148/Bom/77

147375

Ante-dated 4th August, 1976.

265/Bom/78

147388

Ante-dated 30th March, 1976.

1198/Cal/77

147389

Ante-dated 30th March, 1976.

1199/Cal/77

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 172D4. 147341.
Int. Cl.-C01h 1/18.

BOBBIN HOLDER FOR TEXTILE MACHINES.

Applicant & Inventor: JOHN MICHAEL NOGUERA, OF 1, GREVILLE HOUSE, KINNERTON STREET, LONDON SW 1, ENGLAND.

Application No. 219/Cal/77 filed February 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A bobbin holder of the rotary suspension type having a spindle-like body which can be introduced into the open end of a bobbin, and bobbin retaining and release mechanism for retaining the bobbin so introduced on the body characterised in that said bobbin holder has a brake device formed by a braking surface and means to urge said braking surface into contact with a seal so that said braking surface is maintained stationary and a bearing between a member rotatably supporting the body and the body being sealed by seal, said braking surface and said seal being disposed within an overlying cap.

Comp. Specn. 8 Pages. Drg Sheet 3.

CLASS 33A. 147372.
Int. Cl.-B22d 11/10.

CONTINUOUS CASTING METHOD FOR THE PRODUCTION OF ROLLED LOW CARBON STEEL PRODUCTS WITH IMPROVED FORMABILITY.

Applicant: USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors: JAMES GUY BASSE, JR., AND SAUL GILBERT.

Application No. 429/Cal/77 filed March 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A method of manufacturing steel sheet consisting essentially of, by weight, 0.01 to 0.15% C, 0.2 to 0.6% Mn, 0.01 to 0.10% Si, 0 to 0.15% Al, balance iron and incidental impurities, by the continuous casting of a steel melt to produce a cast strand, and rolling said strand only to the extent necessary to produce said sheet, the method comprising introducing Mg into said melt in an amount of 62.5 to 500 parts per million by weight, whereby to enhance formability of said sheet by reducing the total inclusion area and the percentage of continuous, aligned stringer-type inclusions in said sheet.

Comp. Specn. 16 Pages. Drgs. Nil.

CLASS 131B2. 147343.
Int. Cl.-E21b 9/00.

ROCK-DRILLING BIT FOR PERCUSSION HAMMERS

Applicant & Inventor: WILLIAM LISTER, OF 36 RABAU STREET, MOOROOKA, QUEENSLAND, 4105, AUSTRALIA.

Application No. 962/Cal/77 filed June 27, 1977.

Convention date July 13, 1976/(P06621/76) Australia.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A rock drilling bit for a percussion hammer, of the type having a bit head, and an anvil extending upwardly from

the bit head and slidable in a bit drive sub at the lower end of the hammer, wherein:

the upper part of the bit head is of non-round cross-section, adapted for slidable but non-rotatable movement in a socket in the lower part of the bit drive sub.

Comp. Specn. 10 Pages. Dlg. 1 Sheet.

CLASS 64B1 & 69-I. 147344.
Int. Cl.-H01r, 7/00, 17/00.

ELECTRICAL CONNECTORS WHICH MAY BE SHORTENED TO PROVIDE FEWER CONTACTS.

Applicant: BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

Inventor: CHRISTOPHER WILLIAM TYREE.

Application No. 1024/Cal/77 filed July 6, 1977.

Convention date July 6, 1976/(15637/76) Australia.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A connector assembly comprising an electrically insulating connector body, receptacle means in said body including a row of contact cavities, a plurality of metallic contacts supported in said cavities, each contact including a retaining element, retaining means in said body engaging the retaining element for each contact, and locking means securing the retaining elements to the retaining means to thereby lock each contact individually in place in said connector, whereby the connector body may be severed between any pair of adjacent contacts to provide connectors of desired length.

Comp. Specn. 12 Pages. Drg. 2 Sheets.

CLASS 198B. 147345.
Int. Cl.-B01d 11/00, B03b 3/00.

AN IMPROVED METHOD FOR SEPARATING THE COAL FROM THE CLAYS IN THE MINE TAILINGS SLURRIES.

Applicant: THE DOW CHEMICAL COMPANY, AT MIDLAND, COUNTY OF MIDLAND, STATE OF MICHIGAN, UNITED STATES OF AMERICA.

Inventors: THOMAS ALFRED VIVIAN AND JAMES DENNIS DEIMLER.

Application No. 1215/Cal/77 filed August 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An improved method for separating the coal from the clays in the mine tailings slurries which comprises:

mixing the slurry with an organic liquid, as herein described, that is immiscible with water and has a specific gravity greater than water, so that the coal, remains with the organic liquid, and the clays disperse in the water, the mixture thus forming two layers, the coal-organic liquid layer and clayey material-water layer, the amounts of water and said organic liquid being in the range of 4-6 to 50 parts by weight of water per part by weight of solids and 1 to 70 parts by weight of organic liquid per part by weight of said solids,

separating the clayey-material-water layer by decantation and recovering the coal from the coal organic liquid layer by filtration.

Comp. Specn. 19 Pages. Drg. 3 Sheets.

CLASS 35F. 147346.
Int. Cl.-C04b 35/00, 35/72.

PROCESS FOR THE PRODUCTION OF MOLDED REFRACTORY ARTICLES.

Applicant: GEORG FISCHER AKTIENGESELLSCHAFT, SCHAFFHAUSEN, SWITZERLAND.

Inventor : DR. FRANZ HOFMANN.

Application No. 370/Cal/78 filed April 5, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

19 Claims. No drawings.

A process for the production of a phosphate-bonded molded article which is refractory at temperatures above 1300 deg. C. which comprises applying once or repeatedly to a single or multilayered carrier material a compound comprising a refractory filler and $Al(H_2PO_4)_3 \cdot xH_2O$ or a polyphosphate as binder and thereafter curing at a temperature below 400 deg C, said composition on the carrier material to provide a single or multi-layered, thin-walled structure.

Comp. Specn. 11 Pages.

Drg. Nil.

CLASS 32F_b & 55D_a.

147347.

Int. Cl.-C07d 91/24.

A PROCESS FOR THE MANUFACTURE OF THIAZOLYCINNAMIC ACID NITRILES.

Applicant : SCHERING AKTIENGESellschaft, AT BERLIN AND BERGKAMEN OF D-1 BERLIN 65, WEST GERMANY.

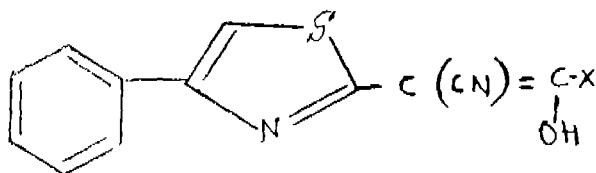
Inventors : DR. REINHOLD PUTTNER AND DR. HARTMUT JOPPIEN.

Application No. 484/Del/77 filed December 19, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

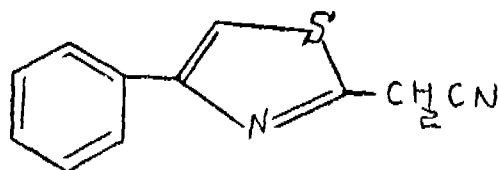
15 Claims.

A process for the manufacture of a compound of the general formula I.



Formula I

in which X represents an unsubstituted aromatic hydrocarbon group or an aromatic hydrocarbon group substituted by one or more substituents selected from halogen atoms, alkyl groups, alkoxy groups, trifluoromethyl groups and a nitro group wherein 4-phenylthiazol-2-acetonitrile of the formula II.



Formula II

or an alkali salt thereof is reacted with an aryl-carbonyl chloride of the general formula III.



in which X has the meaning given above.

Comp. Specn. 20 Pages.

Drg. 1 Sheet.

CLASS 205G.

147348.

Int. Cl-B60b 15/00.

VEHICLE TYRE.

Applicant & Inventor : RENATO MONZINI, OF 16, VIA CONTE VERDE, MILAN ITALY.

Application No. 815/Cal/77 filed May 31, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims.

A vehicle tyre comprising peripherally extending beads for using in securing the tyre to a wheel rim, a plurality of flexible but inextensible elements each extending in a radial plane to connect together the beads, a peripherally extending belt underlying the tread, tensionally resisting but essentially pliable tyre side wall portions, and a pair of essentially symmetrically opposed rigid annular components secure to or integral with the rigid wheel peripheral structure, externally adjacent to said tyre side wall portions and of such configuration as to comply with the outer faces of said side wall portions, said rigid components acting as deformation restrainers to prevent outward lateral deformation of the adjacent tyre wall portions when the tyre is loaded.

Comp. Specn. 32 Pages.

Drg. 4 Sheets.

CLASS 29A.

147349.

Int. Cl.-G06k 3/02.

MICROPROGRAM CONTROL DEVICE.

Applicant & Inventor : VALERY REDOROVICH GUSEV, ULITSA KARBYSHEVA, 13A, KV. 35, KAZAN, USSR. (2) GENNADY NIKOLAEVICH IVANOV, ULITSA DEKABRISTOV, 184A, KV. 22, KAZAN, USSR. (3) GENRIKH ISAEVICH KRENGEL, ULITSA IBRAGIMOVA, 45, KV. 49, KAZAN, USSR. (4) MANSUR ZAKIROVICH SHAGVALEEV, ULITSA KARBYSHEVA 17, KV. 75, KAZAN, USSR. (5) AZAT USMANOVICH YARMUKHMETOV, ULITSA ADELYA KUTUYA, 12, KV. 23, KAZAN, USSR. (6) VLADIMIR YAKOVLEVICH KONTAREV, PLOSHCHAD JUNOSTI 4, KV. 3, MOSCOW, USSR. (7) JURY IVANOVICH SCHETININ, 103536, KORPUS 503, KV. 106, MOSCOW, USSR AND VYACHESLAV YAKOVLEVICH KREMLEV, BEREZOVAYA ALLEYA, KORPUS 433, KV. 81, MOSCOW, USSR.

Application No. 971/Cal/77 filed June 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A microprogram control device comprising a control storage; a memory address driver whose output is connected to the input of the control storage; a write control data register and a read control data register whose inputs are connected to the output of the control storage; two write signal initiation decoders and two read signal initiation decoders having their data inputs connected to the write control data register and the read control data register, respectively; a register for switching the write signal initiation decoders whose inputs is connected to the output of the control storage and whose output is connected to the control inputs of the write signal initiation decoders, and a register for switching the read signal initiation decoders, whose input is connected to the output of the control storage and whose output is connected to the control inputs of the read signal initiation decoders, and a register for switching the read signal initiation decoders, whose input is connected to the output of the control storage and whose output is connected to the control inputs of the read signal initiation decoders, forming a matrix having columns equal in number to the modified bits of an address in the control storage and at least two rows each of which is made as a register whose identical bits form together the columns of the matrix, write control inputs and read control inputs of each matrix register being connected to the outputs of the read signal initiation decoders, respectively, a data input of a matrix register being the device input, a data input of another matrix register being connected

to the output of the control storage, the other data inputs of the matrix registers being connected to the data bus, some outputs of the matrix registers being the appropriate outputs of said device, other outputs of the matrix registers being combined to constitute another output of said device, and the remaining outputs of the matrix register being connected to the data bus.

Comp. Specn. 9 Pages.

Drg. 2 Sheets.

CLASS 32A1 & 62C1 & 154H.

147350.

Int. Cl.-C09b 29/06.

AZO COMPOUNDS.

Applicant: BAYER AKTIENGESellschaft, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

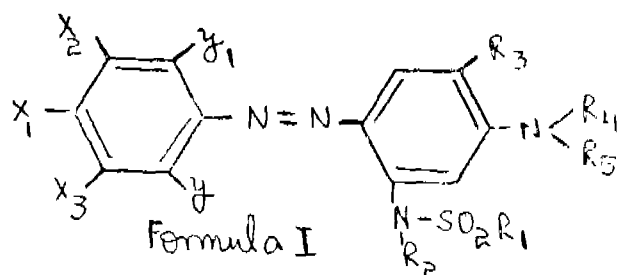
Inventor: RAINER HAMPRECHT.

Application No. 128/Del/78 filed February 14, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

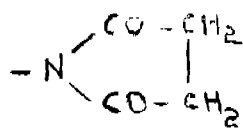
3 Claims.

Process for the preparation of azo compounds of the formula I.

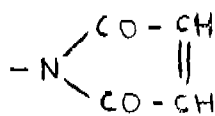


wherein

- R_1 is alkyl, alkenyl, aralkyl, aryl or hetaryl,
- R_2 is hydrogen or alkyl,
- R_3 is hydrogen, alkyl, halogen, cyano, OR_1 or $COOR_1$,
- R_4 is hydrogen, alkyl, aralkyl, aryl or cycloalkyl,
- R_5 is hydrogen, alkyl, alkenyl or aralkyl,
- Y is cyano, halogen, trifluoromethyl, nitro or $SO_2 R_1$,
- Y_1 is halogen or cyano,
- X_1 is hydrogen or a substituent with a Hammett para value of -0.3 to $+0.3$,
- X_2 is hydrogen, halogen, OR_1 , $COOR_1$, $COOH$, NR_2CHO , CF_3 , NR_2COR_1 , $N(COR_1)_2$, formula I(a), I(b).



Formula I(a)



Formula I(b)

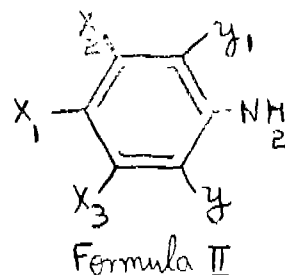
$NR_2SO_2R_1$ or $NR_2SO_2N(R_2)_2$

X_3 is alkyl or X_2 and

X_1 with X_2 or X_3 is the grouping $-OCH_2OCH_2-$ and

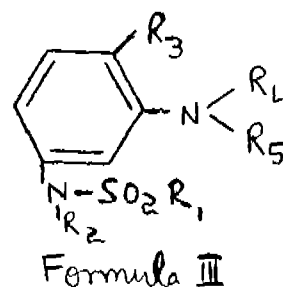
R_3 and R_4 , as well as R_4 and R_5 , can be linked by alkylene chain, the above mentioned alkyl, aralkyl, alkenyl, aryl and heteryl radicals being optionally substituted by non-ionic substituents or $COOH$,

characterised in that diazotised anilines of the formula II.



wherein

Y_1 is CN , Cl , Br or J , are combined with couplers of the formula III.



and that optionally the halogen substituents standing for Y and/or Y_1 in the reaction products are replaced by Cl , in a manner which is known in itself.

Comp. Specn. 27 pages.

Drg 15 Sheets.

CLASS 102D & 135.

147351.

Int. Cl.-F02b 43/00.

MOTOR AND GAS SUPPLY APPARATUS THEREFOR.

Applicant & Inventor: JOHN WALTER RILETT, LATELY OF 10 LINKS VIEW, STRATTON, CIRENCESTER, GLOUCESTERSHIRE, ENGLAND, FORMERLY OF HORSESHOE COTTAGE, BIBURY, GLOUCESTERSHIRE, ENGLAND, BUT NOW OF THE GABLES, HAWKERS HILL, BIBURY, GLOUCESTERSHIRE, ENGLAND.

Application No. 10/Cal/77 filed January 5, 1977.

Convention date January 16, 1976/(01689/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims.

A motor, whose rotary or reciprocable element(s) are adapted to be driven by evaporated liquefied gas, in combination with gas supply apparatus, the combination comprising a vessel containing liquefied gas under pressure or being capable of being charged with liquefied gas, a passage affording communication between the ullage space of the vessel and the chamber which house(s) the element(s) or which by operation of valve or other means is able to provide communication between the ullage space of the vessel and the chamber(s) which house(s) the element(s), and in heat conductive relationship with the vessel or the passage (or both) at least one container holding or capable of being charged with buffer substance (as hereinbefore defined).

Comp. Specn. 35 Pages.

Drg. 2 Sheets.

CLASS 43F & 143C.

147352.

Int. Cl.-G03c 5/00, G03b 7/00.

A METHOD FOR PROVIDING HALF FRAME PICTURES ON A NORMAL 35MM FILM STRIP.

Applicant : DIRECTOR GENERAL, INDIAN COUNCIL OF MEDICAL RESEARCH, ANSARI NAGAR, NEW DELHI-16, INDIA.

Inventors : SAMAVEDAM SRINIVASA SRIRAMACHARYULU AND OM PRAKASH JAWLIA.

Application No. 120/Del/77 filed May 30, 1977.

Division of Application No. 63/Del/76 filed December 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims.

A method of obtaining half frame pictures on a normal 35 mm film comprising the step of rotating at least the camera or the camera lens of the camera and visoflex used as viewer arranging the lens of the camera away from the object for effecting a two third reduction of the object, exposing the 35mm film in the camera forming the image of the centre of one frame of the film, cutting the leading end of the film by a length of 18 mm, reloading the camera with cut film and exposing the remaining frames and developing the exposed frames to obtain half frame pictures.

Comp. Specn. 6 Pages.

Drg 1 Sheet.

CLASS 128K.

147353.

I.C. A61 b 10/00.

IMPROVED LIVER BIOPSY APPARATUS.

Applicants & Inventors : DR. SHAH SHARAD CHATUR-LAL GOOUSTAN, FLAT NO. 2, 34, B. DESAI ROAD, BOMBAY-400 026, MR. FAROOQUI RIZWAN AHMED, 203, S.V.P. ROAD, BOMBAY-400009.

Application No. 155/Bom/76, filed on 17th May, 1976.

Comp Specification left 11th May 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

3 Claims.

1. A liver biopsy instrument consisting of a syringe and stilt frame work adapted for holding the syringe in position, wherein the syringe comprises an attachable needle and a piston which carries in its front part a stylet capable of moving inside the needle while in operation and the stilt frame work consisting of a posterior plate and an interior plate made of light metal and of atleast two parallel cylindrical bars also made of light metal the distance between the said plates being adjustable by means provided for sliding the bars through suitable openings made for that purpose in the posterior plate and for locking them in position within the posterior plate; one end of the plunger of the piston of the syringe being firmly lodged at the inside middle of the posterior plate within the frame work and the interior plate having an aperture in its middle through which the needle can pass when the syringe is in operation.

Provisional specification 2 pages.

Complete specification 6 pages.

Drawing sheet 1.

CLASS 119C.

147354.

Int. Cl. D-03 C 3/02.

IMPROVEMENTS IN OR RELATING TO JACQUARDS.

Name of Applicant : JOHN T HARDAKER (INDIA), PRIVATE LIMITED, GANPATRAO KADAM MARG, LOWER PAREL, BOMBAY-400 013, MAHARASHTRA, INDIA.

Name of the Inventor : DEEPAK HEMAENDRA DAVE.

Application No. 277/Bom/1976 filed on Aug 13, 1976.

Complete specification left on 14th Nov. 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

An improved Jacquard characterised in that it has :

- (a) One or more cylinders with five or more faces, or sides, so that for every pick the cylinder/s turn/s through an angle of seventy two degrees or less proportionate to the number of faces;
- (b) a set of hooks and needles placed in perpendicular to each other, each of the hooks extended below to form a long and broad, elastic U shaped loop held by a loop along the length of each of the needles, without exerting any stress in their stationary position but such that when the needles move lengthwise, they press the arms of the corresponding loop of the hooks, creating a tension in each of the hooks and the needles of the set;
- (c) all the mails receiving the warp threads placed initially at the centre of the shed, a shed being the minimum distance through which two warp threads are separated for interlacement with weft threads, and depending upon the pattern of interlacement, during every pick each of the mails holding warp thread is taken either to the top of the shed or to the bottom of the shed for interlacement with weft threads and brought back to the centre of the shed.

Provisional Specification : 11 pages, complete specification : 11 Pages; Drawings : 2 sheets.

CLASS 107 A

147355.

Int. Cl.-F02f 7/00.

ANTI NOISE COVER ASSEMBLY FOR INTERNAL COMBUSTION ENGINE.

Applicant : COMMINS ENGINE COMPANY INC. COLUMBUS INDIANA 47201 U.S.A.

Inventor : SUNE EDGAR TIMOUR.

Application No. 302/Bom/76 filed on Sept. 1, 1976.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

20 Claims.

An anti-noise cover assembly for an internal combustion engine housing, said cover assembly comprising :

a cover adapted to be placed over said housing;

means forming a continuous perimeter groove on said cover, said groove facing towards said housing;

an elongate elastomeric element received throughout the length of said groove; said element in its free state extending out of said groove to form a continuous ridge around said cover; and means connectable with said housing for yieldably urging said cover towards said housing said yieldable urging means exerting a force between a level high enough to form a seal along a band of contact between said elastomeric element and said housing and a level below a force which deforms said elastomeric element sufficiently to prevent contact between said cover and said housing; (Comp. Specn. 14 pages. Drawings 3 sheets).

CLASS 107 L.

147356.

Int. Cl.-F02b 15/00.

HEAT DISTRIBUTION TUBE FOR A MULTI STROKE AIR BREATHING INTERNAL COMBUSTION ENGINE.

Name of Applicants : CUMMINS ENGINE COMPANY INC. COLUMBUS INDIANA 47201, U.S.A.

Name of the Inventor : DAVID LOUIS REID.

Application No. 303/Bom/76 filed on Sept. 1, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

Heat distribution tube for a multi-stroke air breathing internal combustion engine including at least a pair of spaced intake ports for receiving air during the intake strokes in the associated engine cylinders at which time the pressure in said ports is lowered, said apparatus comprising :

an intake manifold for receiving intake air and distributing said air to said intake ports.

an intake air preheater assembly mounted on said manifold for substantially local heating of intake air adjacent at least one of said ports and remote at least one port and, means forming an elongate passage within said manifold and defining an inlet adjacent said preheater assembly, said inlet being positioned to permit direct distribution of heat from said preheater assembly to said adjacent port for heating a portion of the total air entering said one port, said passage means extending to and defining a single outlet positioned adjacent other port opening to be exposed to the reduction in pressure thereof during said intake stroke whereby a portion of the air heated by said preheater assembly is drawn through said passage from adjacent preheater assembly so that a portion of the total air entering said port is heated.

(Comp. specn. 10 pages, drawings 2 sheets).

CLASS 36 A2 + A3.

147357.

Int. Cl. F04d 17/00.

A FLOAT PUMP.

Applicant & Inventor : AVINASH BHASKAR RANADE, MODEL TOWN, BAL RAJESHWAR ROAD, MULUND (WEST), BOMBAY-400 080, MAHARASHTRA (INDIA).

Application No. 413/Bom/76 filed on November 26 1976.

Complete specification left on 16th April, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

14 Claims.

1. A float pump comprising a combination of :

- (i) a doughnut shaped float ring having a central opening forming a seat and carrying means for fixing thereto a centrifugal pump fitted with or without a prime mover;
- (ii) the said pump carrying an impeller, a suction housing having a perforated screen or strainer and a longitudinally extending outlet socket for fixing thereto a hose pipe passing through one or more floats for allowing said hose pipe to float on liquid surface on which said float pump is operating; and
- (iii) a flexible hose pipe fitted to said outlet by means of a clamp or coupling; wherein the arrangement is such that when said float pump is floating on the liquid to be transferred said suction housing remains submerged below the liquid level and said pump starts pumping and discharging liquid.

Provisional specification 4 pages, Drawing 1 sheet.

Complete specification 31 pages, Drawing 7 sheets.

CLASS 119B, E, F.

147358

I.C. D03J 1/14.

"DROP WIRE OR PIN FOR WEAVING LOOMS".

Applicant & Inventor : ROHIT HARISHCHANDRA PARIKH, 23, NAVYUG SOCIETY, SURENDRA MANGALDAS ROAD, AMBAWADI, AHMEDABAD-380 015

Application No. 35/Bom/1977 filed on 21 Jan. 1977.

Complete specification left on 11 Jan. 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

4 Claims.

A drop wire or pin, for weaving looms, of the kind characterised in that at or near its head one or a plurality of ribs are formed across its width, said rib or ribs being on either or both sides of the wire.

Prov. specn. 4 pages. Comp. specn. 6 pages, Drawing—1 sheet.

CLASS 92C.

147359

Int. Cl. A01C 1/00.

ACID DELINTING EQUIPMENT FOR COTTON SEEDS.

Applicant & Inventor : DR. MAHESHCHANDRA CHIMMANLAL SHROFF, ARUNODAYA PRATAP ROAD, RAOPURA, BARODA-390 001, GUJARAT, INDIA.

Application No. 62/Bom/77 filed on February 14, 1977.

Comp. Specn. left on 13th April 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims

An acid delinting equipment for cotton seeds which comprises :

(a) A mixing vessel for mixing cotton seeds fed through a hopper with inorganic mineral acid which is fed through a control valve, by rotating blades or circular rings or both fitted on a central shaft in the mixing vessel, an outlet door or window at a lower end is provided for exit of acid delinted cotton seeds alongwith the said acid;

(b) A washing vessel for washing the acid delinted seeds by nozzles fitted on a pipe by flow of water controlled by a valve and rotating blades or circular rings or both fitted on a central shaft for washing and carrying the washed cotton seeds to the upper end and the upper outlet for taking out the washed cotton seeds from the washing vessel, and a drain nipple at lower end, for removing aqueous acid alongwith lintwaste; and (c) an intermediary tunnel connecting the mixing vessel in inclined towards the washing vessel.

(Provisional specification 6 pages, Comp. specn. 9 pages, drawings 3 sheets)

CLASS 186F.

147360

I.C. H04n 5/72.

IMPROVEMENT IN OR RELATING TO ADJUSTABLE T.V. SCREEN.

Applicants : FUNCRAFT INDUSTRIES, 99, MOHAMED-AJI ROAD, BOMBAY-400 003, WHOSE PARTNERS ARE (1) BHAGWAN ISARDAS SHAHANI AND (2) GOBIND HOTCHAND SIPPY.

Inventor : BHAGWAN ISARDAS SHAHANI.

Application No. 86/Bom/77 filed on 4th March, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

An adjustable improved T.V. screen characterised in that the screen can be moved backward or forward to vary the size of the image by mechanical arrangement fitted with the frame to which the screen is fixed, the said mechanical arrangement comprising of two rods fitted with the frame, two suckers for the movement of the rods through pipes, two springs being fitted with the pipes to keep these in tension; hooks connected to said springs

(Complete specification—4 pages, Drawing—1 sheet)

CLASS 145C.

147361

Int. Cl. B31f 5/00.

REINFORCED CORRUGATED BOARD.

Applicant : AVADOOT INDUSTRIES AN INDIAN PARTNERSHIP FIRM CONSISTING OF FOLLOWING PARTNERS.

- (1) NANDKUMAR CHANDRAKANT KULKARNI.
- (2) GOURIKUMAR SITARAM KULKARNI.
- (3) VIJAYKUMAR SHRIDHAR PARALIKAR.
- (4) RAGHUVIR SADASHIV KULKARNI, (MINOR).

DR. SADASHIV KUKUND KULKARNI (FATHER)
(GUARDIAN) MAHAKALI ROAD, ANDHERI, BOMBAY
OF 400 093 MAHARASHTRA, INDIA.

Inventor : VIJAY KUMAR PARALIKAR.

Application No. 94/Bom/1977 filed on March 9th, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

1. Reinforced corrugated board comprising a layer of corrugated kraft paper made from high class sulphate paper and a layer of plain kraft paper characterised in that the board is reinforced by placing reinforcing threads in between the said two layers and the two layers are pasted and pressed together to form a composite corrugated board.

(Complete specification 4 pages, Drawings—1 sheet).

CLASS 115. 147362

Int. Cl. A62b 35/00.

SAFETY ATTACHMENT FOR A PERSON CLIMBING UP OR DOWN A TALL OBJECT.

Application & Inventor : SHAM BHALCHANDRA AN-
TURKAR 6, PRAVIN INDUSTRIAL ESTATE NAGARWEL
HANUMAN ROAD, RAKHIAL, AHMEDABAD-380 023,
GUJARAT STATE, INDIA.

Application No. 97/Bom/77 filed on March 11, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

Safety attachment for a person climbing up or down a tall object comprising (i) longitudinally running member having plurality of notches or stoppers, (ii) an upper sleeve engaging with the said longitudinal member, a lower sleeve connected to the said upper sleeve with the help of a linked means; the said upper and lower sleeves having plurality of rollers which internally just contact the said longitudinally running member for free movement of the said sleeves, the upper sleeve having a fulcrumed pawl; a compression spring to keep the pawl away from the notches, there being separately provided on the said upper and lower sleeves, safety snap with link or links, the said safety snap of upper sleeve and also of lower sleeve being attached to the hook provided on the belt which is normally worn around the waist of a climber such that he is able to climb up or down with ease but should be faint his control over the pawl will be lost thereby the pawl will be instantaneously get engaged in the next lower notch or stopper to arrest his sudden downward sliding action.

(Comp. specn. 5 pages, drawing 2 sheets)

CLASS 80D, E+201D. 147363
Int. Cl. B01D 23/00.

FILTER CANDLES USED IN WATER FILTERS.

Applicants : BASTERNA CHEMICALS, A PARTNER-
SHIP FIRM HAVING PARTNERS (1) ASPI RUSTOMJI
BALSARA, (2) MRS. ALOO HOMI PAVRI OF NO. 9
JOGANI INDUSTRIAL ESTATE, OFF TULSI PIPE
ROAD, DADAR, BOMBAY-400 028, MAHARASHTRA,
INDIA.

Inventor : (1) ASPI RUSTOMJI BALSARA.

Application No. 148/Bom/77 filed on 25th April, 1977.

Post dated to 30th April 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims

A filter candle used in water filters, the said filter candle being of elongated shape and adapted to be used with its longitudinal axis in vertical position and having a central axial longitudinal bore, the said bore being closed or blind at the top and open at the bottom end, characterised in that the external diameter of its transverse cross-section progressively increases from its top end to its bottom end while its central longitudinal bore is of uniform diameter throughout its length such that the wall thickness of the candle progressively increases from its top end to its bottom end, the bottom end assuming the shape of the base of a right circular cone, the said base being adapted to be dovetailed, by cementing medium, into a metallic nozzle thereby providing a joint for permanent locking of the candle with the nozzle.

(Complete specification 7 pages, Drawing 1 sheet)

CLASS 195E, 69I 147364
I.C. G05d 7/00.

A DEVICE FOR CONTROL OF THE FLOW OF LIQUID FROM ONE CONTAINER TO ANOTHER.

Applicant & Inventor : ADHIKARI SATYAJI 15 PRA-
KASH SOCIETY, ATHWALINFS, SURAT-395 001.

Application No. 238/Bom/77 filed on August 2, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A device for control of the flow of liquid from one container to another, such flow being controlled by an electrically operated pump, comprising a suspended float immersed in one of the containers, said float being suspended from a guide rod passing through a guide base said guide rod moving with the float; an oscillating switch plate connected to said guide rod and provided on a bracket; said switch plate capable of pressing push buttons at its oscillating position, said push buttons being connected to switches electrically connected to the circuit controlling the flow of liquid from one container to the other; the arrangement being such that when the receiving container is substantially full, the float rises to move the switch plate which oscillates to press a push button to switch off the circuit controlling the flow.

(Complete specification—5 pages—One drawing sheet).

CLASS 55E1, 83A1+A2+A61k23/00. 147365
I.C. A23 C21/00, A23K 1/00.

A PROCESS FOR THE PREPARATION OF A PRE MIX TO FOODSTUFFS FOR HUMAN AND ANIMAL.

Applicants : HINDUSTAN LEVER LIMITED OF HIN-
DUSTAN LEVER HOUSE, 165-166, BACKBAY RECLA-
MATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Application No. 328/Bom/77 filed on November 18, 1977.

Convention date 23rd November, 1976 U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

21 Claims.

1. A process for the preparation of a pre mix to food-stuffs for human and animal in which process a dry particulate mixture of an edible inert powder as herein described and lactose source, the lactose content of the mixture being from 20 to 50% by weight, is intensely agitated and while so intensely agitated is sprayed with an aqueous solution or slurry of an active ingredient as hereinbefore described the solution or slurry being applied in an amount of from 1 to 12% by weight of the dry particulate mixture.

Complete specification 18 pages.

CLASS 60B. 147366
Int. Cl. A44C 5/00.

BRACELETS OR STRAPS FOR WATCHES AND THE LIKE.

Applicant & Inventor : CHRISTOPHER ROBIN SHAH
BENTEX BUILDING TULSIWADI OFF TARDPO ROAD,
BOMBAY, MAHARASHTRA, INDIA.

Application No. 329/Bom/1977 filed on November 18, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

6 Claims.

A bracelet or a strap for a watch and the like having means for connecting the end of the bracelet or strap to the body of the watch case, characterized in that the said means comprises a tube made of a metal or an alloy or synthetic plastic material, waisted at one or more places along its length, fitted tightly in a hole formed either in the body of the watch case or at the end of the said bracelet or strap, and a pin made of a metal or an alloy or synthetic plastic material also correspondingly waisted at one or more places along its length and fitted into the hole formed on aligning the end of the bracelet or strap with the body of the watch case, the said pin being held firmly in position by the waists on the tube and on the pin engaging mutually.

(Complete specification 9 pages, Drawings 1 sheet).

CLASS 40A: 32F3b. 147367.
Int. Cl. C07b 1/00+C11C-3/12.

PROCESS FOR SELECTIVE HYDROGENATION OF POLY-UNSATURATED ORGANIC COMPOUNDS.

Applicant : HINDUSTAN LEVER LIMITED HINDUSTAN LEVER HOUSE 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) ALBERT FROLING, (2) RUDOLPH OTTO DE JONGH, (3) JOSEPHUS MARIA ANDREAS KEMPS.

Application No. 363/Bom/77 filed on December 27, 1977.

(Convention date 31-12-1976 (54485/76) (U.K.))

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

21 Claims

Process for the selective hydrogenation of a poly-unsaturated organic compound such as hereinbefore described in the presence of a metallic catalyst, characterized in that the compound is hydrogenated in the presence of the catalyst to which before the hydrogenation is stated an external electric potential is applied while in contact with an electrolyte dissolved in a liquid.

(Comp. specn.—46pages, drawing—5 sheets)

CLASS 56C+182D. 147368.
I.C. C13f 1/00.

"A CONTINUOUS WATER COOLED CRYSTALLISER FOR CANE SUGAR INDUSTRY".

Applicant & Inventor : DR. BIRAJA BILASH PAUL, GALAXY APARTMENTS, 5TH FLOOR, FLAT NO. 13, 239 A BYRAMJI JEFIBHOY ROAD, BANDRA, BOMBAY-400 050.

Application No. 5/Bom/1978 filed on 5-1-1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

2 Claims.

A continuous water cooled crystalliser for cooling/heating massecuites comprises of a cylindrical vessel placed horizontally with pitcher neck and having flattened covers at both ends, one end of the vessel provided with overflow gutter for the outlet of massecuite (duly conditioned for curing) which is connected with the liquidating connection of the vessel through a gate-valve, the other end of the vessel is provided with the driving arrangement, for the hollow shaft fitted with rotary cooling/heating hollow disc elements through which cooling or

heating water circulates), the said disc elements are provided on shaft in such a manner that one rotary disc element rotates in between the two stationery tubular cooling/heating elements provided inside the vessel; the said hollow shaft being partitioned into two compartments so that cold water circulates through all tubular or disc elements through one compartment and hot water from the rotary disc elements at the discharge and through the other compartment simultaneously; the said shaft being partitioned at the exit end before the last two rotary reheating disc elements and superheated water enters into the shaft through the end of the shaft at the discharge end of the continuous crystalliser; the said stationery tubular cooling/heating elements being connected in series through detachable tubular header, the entire cooling/heating surface being proportioned in such a manner that 70-85% of the elements are used for cooling and 30-15% is used for heating and reheating; the driving arrangement for the central shaft being provided with speed variation device so that the r.p.m. of the shaft vary from 0.5 to 0.9 for the flow control of coolant and heating medium; three distant reading thermometer (dial type) are provided, which indicates the temperature of the massecuites at inlet point, at the cooling zone and at the discharge end, and indicates the temperature difference between inlet point and at the exit end.

Complete specification : 10 pages; Drawing sheets : 2).

CLASS 182 C.D. 147369.
I.C. C 13 d 3/00.

A PROCESS FOR THE MANUFACTURE OF PLANTATION WHITE SUGAR FROM SUGARCANE AND APPARATUS THEREFOR.

Applicant & Inventor : DR. BIRAJA BILASH PAUL 13, GALAXY APARTMENT 5TH FLOOR 239, A BYRAMJI JEFIBHOY ROAD, BANDRA, BOMBAY-400 050, INDIA.

Application No. 6/Bom/78 filed on 5th January, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims.

1. A continuous process for the manufacture of plantation white sugar from sugarcane comprising of defecation of the raw juice by heating and treatment of milk of lime in two stages instead of single stage, and the juice thus obtained is evaporated in a multiple effect evaporator, to obtain raw syrup which is treated with milk of lime and phosphoric acid (known as lime phosphitisation) and purged with air to complete froth flotation simultaneously, and the decanted syrup further treated with filter aid such as kieselsol and activated carbon and continuously filtered in leaf filters for obtaining clear sparkling syrup for crystallation to sugar.

Complete specn. 10 pages, Drawing 3 Sheets.

CLASS 126A. 147370.
Int. Cl. GO 1 r 25/00.

AN ELECTRONIC DEVICE FOR SENSING AND INDICATING THE P.F. LEVEL OF AN AC LOAD.

Applicant : LARSEN & TOUBRO LIMITED, L & T HOUSE, BALLARD ESTATE, BOMBAY-1, MAHARASHTRA, INDIA.

Inventors : 1. SHRINIVASAN JAYACHANDRAN
2. BERNORD SEBASTIAN D'SOUZA 3. MAHESH MADHUSUDAN SANZGIRI.

Application No. 43/Bom/78 filed on 14th Feb, 1978.

Complete specification left on March 2, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

15 Claims.

1. An electronic device for sensing and indicating the p.f. level of an ac load comprising a current transformer connectable in series with an input line to the said load, a voltage transformer connectable across two inputs lines to the said load, a power factor to voltage converter connected to the current transformers and the voltage transformer, a voltage

comparator connected to the 1 power factor to voltage converter and an indicating circuit connected to the voltage comparator.

Provisional specification 5 pages, drawing 1 sheet.

Complete specification 9 pages, drawing 1 sheet.

CLASS 62D+170B. 147371.
I.C. C 11 d 1/00.

FABRIC SOFTENING COMPOSITION AND PROCESS FOR PREPARING THE SAME.

Applicants : HINDUSTAN LEVER LIMITED HINDUSTAN LEVER HOUSE 615-166, BACKBAY RECLAMATION BOMBAY-400 020.

Inventor : GORDON GRAIG PETERSON.

Application No. 59/Bom/78 filed on 1st March, 1978.

(Convention date 2-3-77, U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

26 Claims.

1. A solid fabric-softening composition comprising a solid water soluble non surfactant carrier and particles containing a fabric softening quaternary ammonium salt or mixture thereof, a nonionic or zwitterionic surfactant and a plastic nonionic hydrophobic organic material such as hereinbefore described in which the particles are held as a fine dispersion in a matrix of the carrier that is sufficiently rigid to maintain the integrity of the particles while the composition is solid, so that when the composition is dispersed in water the carrier dissolves and releases the unagglomerated particles.

Complete specn. 24 pages—one drawing sheet.

CLASS 129C. 147372.
I.C. B 23 b 47/00.

A TORQUE SENSING MECHANISM FOR USE IN A DRILLING MACHINE.

Applicants : TATA ENGINEERING & LOCOMOTIVE COMPANY LIMITED, OF BOMBAY HOUSE, 24 HOMI MODY STREET, FORT, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors : (1) AVINASH RAGUNATH KUMTHEKAR AND (2) KARTAR SINGH.

Application No. 186/Bom/1978 filed on June 20, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

A torque sensing mechanism for sensing the torque acting on a drill mounted on a drilling spindle of a drilling machine, comprising a coupling ring locatable coaxially of the drilling spindle and operatively connectable to a prime mover-operated-drive gear or pulley, said coupling ring carrying a plurality of spaced-apart drive roller means on one side thereof; a drive ring rigidly connectable to said drilling spindle and disposed next to coupling ring; a clutch ring mounted slidably on said drilling spindle adjacent the side of said drive ring remote from said coupling ring; a plurality of roller members abutting said clutch ring under pressure of adjustable compression spring means on the side thereof remote from said drive ring; a plurality of cams of equal number as said drive roller means and mounted rotatably on the periphery of said drive ring such that they can rotate with said drive ring under one condition and rotate about their own axes under another condition, one edge of each cam engaging a corresponding drive roller means while another edge thereof remote from said one edge abutting said clutch ring; and sensing means mounted in the proximity of that side of said clutch ring which is disposed adjacent the compression spring means so that it is energised when the clutch ring moves against the pressure of the adjustable compression spring means, said sensing means being adapted when energised to switch off the drilling machine or cause the drill to retract.

Comp. Specn. 8 pages and 1 Drawing sheet.

CLASS 146C.

147373

Int. Cl. H01s 3/00.

IMPROVEMENTS IN THE MEANS FOR TARGETTING AND FOCUSING OF BEAMS SUCH AS LASER BEAMS.

Applicant : JYOTI LIMITED INDUSTRIAL AREA, P.O. CHEMICAL INDUSTRIES BARODA-390003, GUJARAT, INDIA.

Inventors : 1. DR. GAUTAM GUHA SARKAR, 2. DR. RAMESHCHANDRA THAKORI AT. SHAH.

Application No. 211/Bom/78 filed on July 15, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

5 Claims.

1. Improvements in the means for targetting and focusing of beams such as a laser beam, resulting in the on line viewing of the action of the beam, comprising (a) a stereo microscope having its objective directed towards a work table (b) a focussing lens placed perpendicular to the said objective for focussing the beam, such as laser beam on the work piece, (c) perfectly reflecting mirror placed or positioned in the blank zone at an angle of forty five degrees to the X-Y plane as seen in figure 5 (B) for reflecting the beam towards the work table.

Complete specification 6 pages, Drawing 5 sheets.

CLASS 32Fcd. 147374
Int. Cl. C07c 49/00.

PROCESS FOR THE PREPARATION OF 8-OXO-NEO-ISOLONGIFOLENE.

Applicant : M/S. CAMPHOR & ALLIED PRODUCTS LIMITED, JEHANGIR BUILDING, 133 MAHATMA GANDHI ROAD, BOMBAY-400 023, MAHARASHTRA, INDIA.

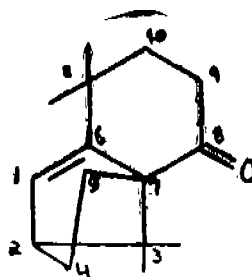
Inventors : MR. BIRJA SHANKAR, DR. SATISH CHANDRA BISARYA, DR. BALWANT SHESHRAO PANDE AND DR. SUKH DEV.

Application No. 258/Bom/78 filed August 30, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

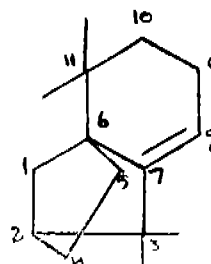
7 Claims

A process for the preparation of 8-oxo-neoisolongifolene of structural formula II.



Formula II

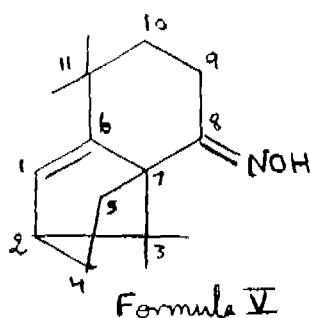
from isolongifolene of structural formula I.



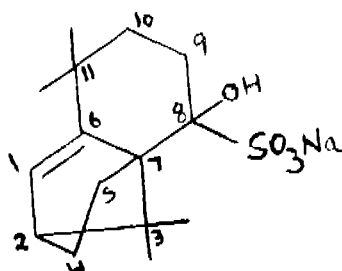
Formula I

which comprises (a) reacting isolongifolene of structural formula I of the accompanying drawing in solvents such as herein described with nitrosyl chloride at a temperature of

from -15° to 5° to give the oxime of 8-oxo-neoisolongifolene of structural formula V.



(b) extracting out the oxide of 8-oxo-neoisolongifolene of structural formula V of the accompanying drawing with solvents such as herein described, followed by solvent removal and crystallisation to furnish the pure oxime of structural formula V; (c) reacting the oxime of structural formula V with sodium bisulphite in 50% aqueous solution of alkanols such as herein described or in water at reflux temperature to give the bisulphite compound of structural formula VI.



(d) removing the alkanol by distillation and treating the residue, that is, the bisulphite compound of structural formula VI with dilute hydrochloric acid, in excess, in the presence of solvents like chloroform, methylene chloride, ethylene dichloride, carbon tetrachloride, benzene or toluene (e) separating the organic layer and washing it neutral, followed by drying over anhydrous sodium or magnesium sulphate; (f) removing the solvent and distilling the product to furnish 8-oxo-neoisolongifolene of structural formula II of the accompanying drawing.

Comp. Specn. 11 Pages. Drg. 1 Sheet.

CLASS 77A.

147375

Int. Cl.-A23d 5/00.

METHOD FOR PREPARING MANGO KERNEL FAT COMPOSITION FOR USE IN CONFECTIONERY.

Applicants : HINDUSTAN LEVER LIMITED HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY, MAHARASHTRA, INDIA.

Inventors : 1. NAGANATHAN VISHWANATH BRINGI, 2. FREDRICK BOLTON PADLEY.

Application No. 265/Bom/78 filed on September 4, 1978.

Division of application No. 264/Bom/76 filed 4-8-76.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims

1. Method of preparing a mango kernel fat composition suitable for use in confectionery comprising the steps of blending from 5 to 30% of mango kernel fat fraction substantially free from glycerides containing more than one unsaturated fatty acid residue with, at least one of the following agents selected from :—

(a) a mid or upper melting fraction of palm oil, which fraction has an Iodine Value not exceeding 45 and dilution value of 20°C of not less than 1000 and a softening point between 30 to 45°C .

(b) hard butters produced from different sources, particularly naturally occurring vegetable fats other than cocoa butter and especially Borneo tallow commonly marketed under the name of 'Illipe butter' and similar fats including shea steraine obtained as herein described.

Complete specification 6 pages.

CLASS 206E.

147376

Int. Cl.- H011 7/00.

AN AMORPHOUS MICROWAVE SEMICONDUCTOR SWITCH.

Applicant : THE INDIAN INSTITUTE OF SCIENCE, MALLESWARAM, BANGALORE-560012, KARNATAKA.

Inventor : DWARKA NATH BOSF.

Application No. 50/Mas/77 filed March 4, 1977.

Complete Specification left June 5, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

An amorphous microwave semi-conductor switch for modulation of microwave power and capable of functioning as a threshold switch and a memory switch comprising of a first lower electrode contact and a second upper electrode contact in which on the lower electrode contact is deposited by evaporation a thin layer of amorphous material and on which said amorphous material is deposited by evaporation, a layer of molybdenum material forming the upper electrode contact, said molybdenum layer of material being provided with a tungsten wire for establishing a contact.

(Prov.—4 pages; Com.—13 pages; Drwgs.—2 sheets)

CLASS 129A.

147377

Int. Cl.-B21d 3/02.

A DEVICE FOR STRAIGHTENING BARS.

Applicant & Inventor : DEVENDRA HIRALAL VEE-CUMSHE, OF NO. 123, MOUNT ROAD, MADRAS-600 006. TAMIL NADU.

Application No. 104/Mas/77 filed June 8, 1977.

Complete Specification left June 8, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A device for straightening bars comprising a plurality of rollers disposed in parallel relationship and arranged in a plurality of rows oppositely and closely disposed with respect to each other, each roller being supported between top and bottom frameworks and provided on its external periphery with at least one circumferential groove of size and shape suited to the cross-section size and shape of the bar or bars to be straightened, characterised by means for varying the spacing between adjacent rows of the rollers and for fixing each roller in position with respect to the desired spacing, such as, by disposing the shafts of the rollers in slots provided in the said frameworks wherein each of the rollers is held in the desired position by bolts, the arrangement being such that a bent bar whenever passed between the rows of rollers in a set of like grooves at one end of the roller array, comes out straightened at the other end of the array, the straightening effect being achieved along the line of travel of the bar between the rows of rollers.

(Prov.—6 pages; Com.—8 pages; Drawgs.—1 sheet)

CLASS 179A & 179F.

147378

Int. Cl. B65d 45/34.

AN IMPROVED CLOSURE FOR CONTAINERS SUCH AS BOTTLES OR THE LIKE.

Applicant & Inventor : VALLAM ABDULKHADER HAJA MOHIDEEN, 26A, WEST MUSLIM STREET, VALLAM P.O., THANJAVUR DISTRICT, TAMIL NADU, INDIA.

Application No. 152/Mas/77 filed September 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

An improved closure for containers such as bottles or the like, comprising a grommet adapted to be fitted into the mouth of the container, and a trigger operated mechanism for holding the grommet once it is placed in position, the grommet being provided with a bore, hole or the like, wherein means are provided to hold the trigger mechanism over the said grommet, the said means comprising of a bolt, pin or the like extending into the said bore, hole or the like from the bottom of the grommet, and a hollow tube, pipe or like element extending from the trigger operated mechanism, and adapted to fit snugly over the said bolt, pin or the like.

(Com.—7 pages; Drwg.—one sheet)

CLASS 74 & 155C.

147379

Int. Cl.-D04g 5/00.

IMPROVEMENTS IN OR RELATING TO A PROCESS OF PREPARATION OF MATTINGS, OR CARPETS AND A DEVICE FOR THE SAME.

Applicants & Inventors : JOSEPH MATHEW & MANI MATHEW, ARAKKAMADATHIL HOUSE, KERAPUZHA, KOTTAYAM 3, KERALA, INDIA.

Application No. 1/Maa/78 filed January 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

14 Claims

An improved process for manufacturing mats, mattings, carpets, decorative panels and the like, from coir, jute, hemp, sisal and like natural fibres, the said method comprising leading the coir or like yarns from a plurality of predetermined bobbins, the said yarns, being led through more than one comb, a roller assembly between the said combs, the combed yarns being thereafter led onto a platform in a closely laid out layer in the form of a sheet, coating an adhesive on the outer surface of the said sheet, and applying a desired covering such as paper, rubber and the like backing over the said coated surface, and then subjecting the thus coated surface to heat.

(Com.—11 pages; Drwgs.—two sheets)

CLASS 126B 89 & 146A

147380.

Int. Cl. G01C-9/14.

AN INCLINOMETER

Applicant :—DIRECTOR GENERAL, RESEARCH DESIGNS AND STANDARD ORGANISATION (MINISTRY OF RAILWAYS) ALAMBAGH, LUCKNOW-5, STATE OF UTTAR PRADESH, INDIA, AN INDIAN NATIONAL.

Application No. 560/DEL/78 FILED JULY 21, 1978.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Delhi.

9 Claims.

An inclinometer for determining the horizontal displacement of soil at desired depths comprising an outer stainless steel tube casing and an inner stainless steel tube casing fitted within one another, said outer casing and inner casing being fitted to a collar at their upper ends, said outer casing having a conical shoe at its lower ends, a cylindrical body fixed to the lower end of the said collar, a pendulum provided within said inner casing and secured to the said cylindrical body by means of a clock spring, a strain gauge engaging the said clock spring, a top cover plate having a central opening provided at the top end of said collar, a threaded pipe fitted to the said opening of the said top cover plate.

(Comp. 10 pages and Drawing 1 sheet)

CLASS 94G.

147381.

Int. Cl.-B65g 53/30, E21f 17/00, 17/14.

A TUBULAR CHAMBER FEEDER FOR HYDRAULICALLY CONVEYING SOLIDS.

Applicant : KLEIN, SCHANZLIN & BECKER A.G., OF POSTFACH 225, JOHANN-KULFIN STRASSE 9, D-6710

FRANKENTHAL (PFALZ), FEDERAL REPUBLIC OF GERMANY.

Inventor : DR. KURT HOLZENBERGER.

Application No. 964/Cal/77 filed June 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A tubular chamber feeder in the form of a conveying device for hydraulically conveying solids, more particularly coal and ore along two parallel pipelines which, by means of suitably disposed and controlled switching and conveying means, are flowed through on the unidirectional current principle & merge into a common delivery pipe, characterised in that two parallel pipelines (4, 5) flowed through on the unidirectional current principle are connected to the bottom surface of a receiver (1) at atmospheric pressure, the bottom surface and the pipeline beginnings are interconnected by one controlled or two automatically switching valves (6, 7) which are in solid-free water during switching, and the pipeline beginnings are also connected via one or two control valves (11, 12) to a pressure pump (10) supplying solid-free water in known manner to the individual pipelines (4, 5) and the two pipeline ends are automatically connected via one or two control valves (15, 16) to a suction pump (18) which sucks solid-free water from each pipeline (4, 5) and returns it to the receiver (1), and an automatic valve (13) and returns it to the receiver (1), and an automatic valve (13) which is in solid-free water during switching is disposed at the place where pipelines (4, 5) join to form a common delivery line (14).

Comp. Specn. 12 Pages. Drg. 2 Sheets.

CLASS 69A & D.

147382.

Int. Cl.-H01h 9/00.

IMPROVEMENT IN A HIGH SENSITIVITY ELECTRO-MAGNETIC RELAY.

Applicant : SOCIETE D'APPAREILLAGE ELECTRIQUE SAPAREL, S.A., OF 38160 SAINT-MARCEL IN, FRANCE.

Inventors : EDOURAD LE ROUX AND CHRISTIAN RICHARD.

Application No. 224/Cal/77 filed February 16, 1977.

Convention date October 25, 1976/(44210/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims.

In a high sensitivity electromagnetic relay comprising a permanent magnet having optimized characteristics, two magnetic pole pieces, a magnetic shunt, a mobile armature co-operating with the two pole pieces and a trip winding, the improvement wherein said permanent magnet and said magnetic shunt comprise flat plates, the two pole pieces are constituted by two superposed U-shaped flat, parallel plates which sandwich between them the flat plate permanent magnet and the magnetic shunt to form a stacked flat plate assembly, and wherein the mobile armature is normal to and spans across the ends of said pole pieces.

Comp. Specn. 13 Pages. Drg. 5 Sheets.

CLASS 129G.

147383.

Int. Cl.-B30b 11/22.

APPARATUS FOR AND METHOD OF CONTINUOUSLY DEFORMING AN ELONGATED WORKPIECE TO PRODUCE AN ELONGATED PRODUCT.

Applicant : WESTERN ELECTRIC COMPANY, INCORPORATED, OF 195 BROADWAY, NEW YORK CITY, NEW YORK STATE, UNITED STATES OF AMERICA.

Inventor : FRANCIS JOSEPH FUCHS, JR.

Application No. 483/Cal/77 filed March 30, 1977.

Convention date June 1, 1976/(23198/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

Apparatus for continuously deforming an elongated workpiece to produce an elongated product for example, wire comprising a deforming means, a plurality of trains of gripping element members each arranged to move in an endless path, and means for driving them around said paths the paths being arranged so that member of each train come together at a first station to form a gripping element and continue together to a second station, the deforming means being located between the first and second stations, the inner surfaces of the gripping element members delining between them a central chamber in said gripping elements between said first and second stations for containing the workpiece, a plurality of endless belts each associated with a different one of the trains of gripping element members and arranged to advance in contact with the outer surface of its associated member from the first station to the second station and means for applying pressure through the belts to the gripping element members to produce stress in a workpiece within the said chamber so that the moving elements continuously advance the workpiece and force the workpiece into contact with the deforming means.

Comp. Specn. 26 Pages. Drg. 7 Sheets.

CLASS 195A & C & 200C. 147384.
Int. Cl.-B67d 1/00, E03b 7/00.

QUICK ACTION WATER RISER COUPLER.

Applicant: PREMIER IRRIGATION EQUIPMENT PRIVATE LIMITED, OF 17/C, ALIPORE ROAD, CALCUTTA-700 027, WEST BENGAL, INDIA.

Inventor: MICHAEL JOHN POOK.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A quick action water riser coupler comprising a vertically disposed tubular body and a tubular connector slidably fitted inside the said tubular body, wherein (a) the lower portion of the tubular body is of enlarged diameter to provide a housing and a tubular nipple is screw fitted to the bottom end of the said housing, the diameter of the nipple being smaller than that of the tubular body,

(b) a rubber ball is housed inside the said housing,

(c) the top portion of the tubular body is of larger diameter and thicker section than the rest of the body,

(d) a pair of diametrically opposed helical grooves are provided on the outer surface of the said thicker section,

(e) a circular rubber sealing ring is provided in the said thicker section on the inner surface thereof,

(f) an inverted U-shaped bracket is fitted to the said tubular connector and a pair of lugs or pins are provided on the inner surface of the vertical arms of the U-shaped bracket which pins or lugs are adapted to be engaged into the pair of helical grooves of the tubular body, and

(g) the lower end of the tubular connector is fitted with a metal strip which is adapted to exert pressure on the rubber ball during operation.

Comp. Specn. 8 Pages. Drg. 1 Sheet.

CLASS 195A & C. & 200C. 147385.
Int. Cl.-B67d 1/00, E03b 7/00.

QUICK ACTION WATER RISER COUPLER.

Applicant: PREMIER IRRIGATION EQUIPMENT PRIVATE LIMITED, OF 17/C, ALIPORE ROAD, CALCUTTA-700027, WEST BENGAL, INDIA.

Inventor: MICHAEL JOHN POOK.

Application No. 330/Cal/78 filed March 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A quick action water riser coupler comprising a vertically disposed tubular body and a tubular connector slidably fitted inside the said tubular body, wherein

(a) the lower portion of the tubular body is of enlarged diameter to provide a housing and a tubular nipple is screw fitted to the bottom end of the said housing, the diameter of the nipple being smaller than that of the tubular member,

(b) a rubber ball is housed inside the said housing.

(c) the top portion of the tubular body is of larger diameter and thicker section than the rest of the body,

(d) a pair of diametrically opposed locking grooves are provided on the top of the said thicker portion,

(e) a circular rubber sealing ring is provided in the said thicker section below the level of the locking grooves,

(f) a pair of diametrically opposed locking pins are provided on the tubular connector for engagement into the locking grooves of the tubular body,

(g) a circular channel is provided on the thicker section of the tubular body at the inner surface thereof below the level of the locking grooves and above the level of the rubber sealing ring, and

(h) the lower end of the tubular connector is fitted with a metal strip which is adapted to exert pressure on the rubber ball during operation.

Comp. Specn. 9 Pages. Drg. 1 Sheet.

CLASS 206D & E. 147386.
Int. Cl.-H03b 5/00.

A DITHER OSCILLATOR.

Applicant: BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors: DEVALRAJU SHREE MAHA VISHNU, RANGA SRINIVASAN VARADHAN AND MADHIRA KRISHNAMURTHY.

Application No. 369/Del/77 filed November 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

A dither oscillator comprising a reference setting circuit connected to a timer through a switching circuit, said reference setting circuit connected also to a level shifter.

Comp. Specn. 7 Pages. Drg. 1 Sheet.

CLASS 35B. 147387.
Int. Cl.-C04b 7/12.

POZZOLAN CEMENT COMPOSITIONS.

Applicant: RAYMOND C. TURPIN, JR., 1380, W. PCHS FERRY ROAD, N.W., ATLANTA, GEORGIA 30327, U.S.A., AND THE PARTNERS LIMITED, OF CHRISTOPHER J. HUMPHREYS, ALLEN S. HARDIN, EDWARD A. ALBRIGHT, JR., IRA H. HARDIN, CHRISTOPHER J. HUMPHREYS, EARL SHELL, JR., THOMAS CRAWFORD, JR., IRA H. HARDIN COMPANY, JAMES W. BOLDING, DENVAL B. HAMBY, GEORGE R. HEMENWAY AND W. JAMES OVERTON, OF 1380 WEST PACES FERRY ROAD, N.W., ATLANTA, GEORGIA, UNITED STATES OF AMERICA.

Inventor: RAYMOND C. TURPIN, JR.

Application No. 252/Del/77 filed September 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

18 Claims.

A cement composition comprising cement, a pozzolanic material, fine aggregate, water, and a metal constituent selected from either calcium chloride or an alkali metal of sodium

or potassium ions, and an anionic constituent, the alkali metal constituent being present in an amount up to approximately 4.0 per cent by weight, in terms of the equivalent weight of sodium ions, of the pozzolan materials; the anionic constituent being selected from sulfate, chloride, bromide, and nitrite ions, the anionic constituent being present in an amount up to approximately 6.0 percent by weight, in terms of the equivalent weight of chloride ions, of the pozzolan material; said composition having a solid volume ratio of cement to the pozzolan material within the range of approximately 0.05 to 2.0; a ratio of the volume of paste (cement, pozzolan material, water) to the solid volume of fine aggregate within the range of approximately 0.75 to 1.5; and the ratio of the solid volume of cement to the volume of mortar (cement, pozzolan material, water and fine aggregate) less than about 0.19.

Comp. Specn. 50 Pages. Drg. 1 Sheet.

CLASS 32F₃b.

147383.

PROCESS FOR THE PREPARATION OF 1-[5-(HYDROXY-2H-1, 2-BENZOTHAZIN-3-YL)-1, 2, 4-OXADIAZOL-3-YL] METHYL ETHANONE 5, S-DIOXIDE.

Applicant : WARNER-LAMBERT COMPANY, OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

Inventors : ARTHUR CHARLES FABIAN, JEROME DANIEL GENZER, CHARLES FRANCIS KASULANIS, JOHN SHAVEL, JR., HAROLD ZINNES.

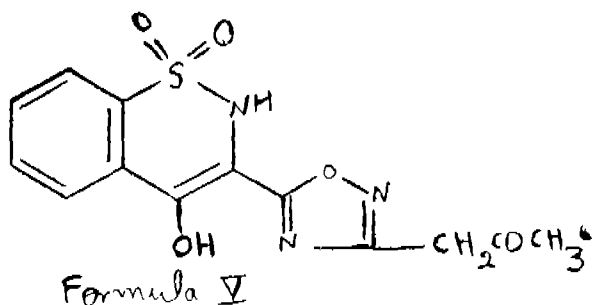
Application No. 1198/Cal/77 filed August 4, 1977.

Division of Application No. 548/Cal/76 filed March 30, 1976.

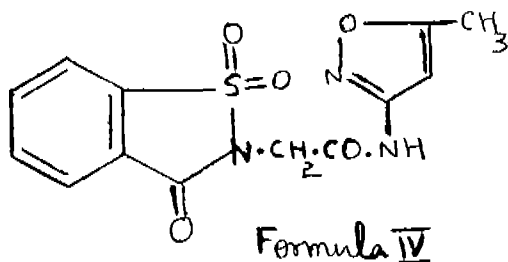
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for preparing a compound of the formula V.



which comprises reacting a compound of the formula IV.



with an alkali metal alkoxide of a lower alcohol in an inert solvent at a controlled temperature followed by acidification.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS 32F₃b.

147389.

Int. Cl.-C07d 95/00.

PROCESS FOR THE PREPARATION OF 4-HYDROXY-3-(5-METHYL-3-ISOXAZOLYL-CARBAMOYL)-2-METHYL-2H-1, 2-BENZOTHAZINE 1, 1-DIOXIDE).

Applicant : WARNER-LAMBERT COMPANY, OF 201, TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

Inventors : ARTHUR CHARLES FABIAN, JEROME DANIEL GENZER, CHARLES FRANCIS KASULANIS, JOHN SHAVEL, JR. AND HAROLD ZINNES.

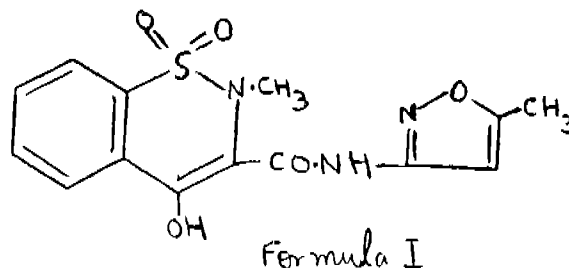
Application No. 1199/Cal/77 filed August 4, 1977.

Division of Application No. 548/Cal/76 filed March 30, 1976.

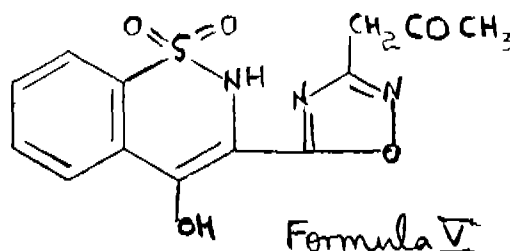
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for preparing a compound of the formula I.



which comprises methylating compound V.



at an elevated temperature by reaction with a conventional methylating agent in an aqueous alcoholic solvent containing excess base, followed by acidification, to obtain compound I directly.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS 32F₃d.

147390.

Int. Cl.-C07c 57/14.

PROCESS FOR THE PRODUCTION OF MALEIC ANHYDRIDE.

Applicant : THE STANDARD OIL COMPANY, AT MIDLAND BUILDING, CLEVELAND, OHIO 44115, U.S.A.

Inventors : NOEL JEROME BREMER, JAMES FERGUSON WHILE AND ERNEST CARL MILBERGER.

Application No. 278/Del/77 filed September 30, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims. No drawings.

An improved process for the preparation of maleic anhydride by the oxidation of n-butane, n-butenes, 1, 3-butadiene or mixture thereof with molecular oxygen in the vapor phase at a reaction temperature of 250°C to 600°C in the presence of a catalyst wherein the improvement comprises using as a catalyst a catalyst of the formula



Wherein X is a halogen selected from the group consisting of chlorine, bromine or iodine; and wherein a, b, and c are numbers from 0.001 to 10; d is from 0.001 to 5;

f is a positive number of oxygens required to satisfy the valence states of the other elements present.

Comp. Specn. 11 Pages.

Drgs. Nil.

CLASS 32F₃b.

147391.

Int. Cl.-C07d 91/22.

A PROCESS FOR THE PRODUCTION OF THIAZO-LINE-2-THIONES.

Applicant : BAYER AKTIENGESellschaft, OF 5090 LEVERKUSEN, BAYERWERK, WEST GERMANY.

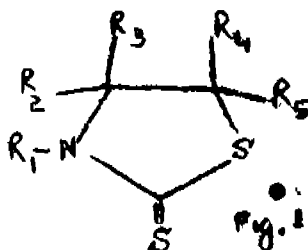
Inventors : RUDIGER SCHUBART AND ULRICH EHOLZER.

Application No. 450/Del/77 filed December 9, 1977.

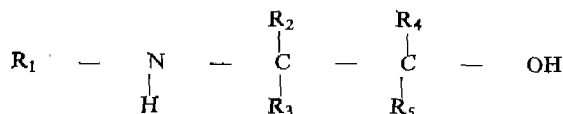
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A process for the production of thiazoline-2-thiones corresponding to the general formula shown in Fig. 1.



in which R_1 represents hydrogen or a linear, branched or cyclic saturated or unsaturated C_1-C_6 alkyl radical, which may optionally be interrupted by oxygen atoms, or a phenyl radical, these radicals optionally being substituted by mono- or di-alkylamino having 1 to 4 carbon atoms, C_1-C_4 alkoxy, C_1-C_4 alkylthio and/or halogen groups and, in the case of a phenyl radical, a C_1-C_4 alkyl radical may additionally present, R_2-R_5 may be the same or different and represent hydrogen C_1-C_4 alkyl radicals or phenyl, the alkyl radicals optionally being attached to one another to form a 5-membered or 6-membered ring, and R_6 represents hydrogen, phenyl, C_1-C_6 alkyl or vinyl, R_7 represents hydrogen, C_1-C_6 alkyl or vinyl wherein corresponding amino-ethanols of the general formula shown in Fig. 3.



are reacted with thionyl chloride in an inert solvent at temperatures of from 0 to 40°C, the product obtained is heated to temperatures of from 40 to 100°C, water is added after the evolution of gas has stopped, followed by reaction with carbon disulphide in the presence of basic compounds such as herein described at temperatures of from 0 to 120°C.

Comp. Specn. 16 Pages.

Drg. 1 Sheet.

CLASS 34A.

147392.

Int. Cl.-C08g 20/12.

A PROCESS FOR STABILIZATION OF POLYCARBONAMIDE (NYLON-6) AGAINST THERMAL & OXIDATIVE DEGRADATION.

Applicant : SIR PADAMPAT RESEARCH CENTRE, A DIVISION OF J. K. SYNTHETICS LTD., JAYKAYNAGAR, KOTA-324003.

Inventors : SHRI JUGAL KISHORE SHARMA, DR. RAMESH CHAND KAPOOR, DR. VENKATNATHAN SAMPATH & DR. RAMESH KUMAR.

Application No. 431/Del/78 filed June 8, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

4 Claims. No drawings.

A process for preparing heat-stable and oxidation-stable polyamide polymer from ϵ -caprolactam, commonly known as 'Nylon-6' by blending on weight basis (based on the weight of the caprolactam monomer), 20 to 190 parts per million of a copper halide 0.03 to 0.9 parts per hundred of a potas-

sium halide and 0.03 to 0.9 parts per hundred of 2-mercapto-benzimidazole in the mass and polymerizing the said mass as hereinbefore described.

Comp. Specn. 7 Pages.

Drgs. Nil.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Research Designs & Standards Organisation, Ministry of Railways Lucknow to the grant of a Patent on application No. 146683 made by Dychehoff & Widman Aktiengesellschaft.

(2)

The opposition entered by IDL Chemicals Limited to the grant of a Patent on application No. 140456 made by Ireco Chemicals as notified in Part-III, Section-2 of the Gazette of India dated the 7th May, 1977 has been treated as withdrawn.

(3)

The application for Patent No. 144010 made by Josef Wischin in respect of which an opposition was entered by Amit Kumar Chakravorty as notified in Part-III, Section-2 of the Gazette of India, dated the 19th August, 1978 has been treated as abandoned.

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

89927 100402 112504 114083 115075 115343 116787 118839
122747 124360 128898 130983 132369 133382 134879 135200
135522 135533 135553 137115 138138 138147 138167 138185
138228 138232 138237 138268 138390 138406 138407 138408
138409 138443 138603 140520.

(2)

139545 139546 139547 139548 139549 139550 139551 139552
139554 139556 139557 139558 139559 139560 139561 139562
139563 139565 139566 139568 139569 139570 139571 139572
139573 139574 139575 139576 139577 139578 139579 139580
139582 139583 139584 139587 139588 139589 139590 139591
139592 139593 139594 139597 139598 139599 139600.

(3)

140011 140012 140013 140016 140019 140020 140021 140022
140023 140024 140026 140027 140033 140035 140036 140042
140044 140045 140046 140047 140048 140049 140050 140051
140052 140061 140062 140063 140065.

PATENTS SEALED

142637 143221 143514 146190 146340 146362 146368 146378
146400 146402 146404 146418 146441 146446 146460 146461
146471 146476 146477 146485 146487 146492 146493 146495
146499

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that National Research Development Corporation, a British Corporation established by State of Kingsgate House, 66/74 Victoria Street, London SW1, England, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 139246 for "Process for the production of new insecticides of the pyrethrin type". The amendments are by way of correction explanation and disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the

prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

The amendment proposed by Samson Borisovich Kogan & others, in respect of patent application No. 145594 advertised in Part III, Section 2 of the Gazette of India dated the 8th September, 1979 have been allowed.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
137839 (1-12-73)	A process for etching of aluminium and its alloys for direct plating of metals.
138156 (30-8-73)	A process of preparing a flat emulsion.
138237 (4-9-72)	Production of aluminium chloride.
138288 (4-5-73)	Process for the preparation of manganese containing complex catalyst composition.
138316 (2-11-72)	Method of purifying zinc sulfate solution.
138333 (12-10-72)	Process of phosphazene polymer.
138339 (19-3-74)	A method for the preparation of 5 (b) benzene ring substituted benzimidazole-2-carbamate derivative having anthelmintic activity.
138365 (8-9-72)	Process for the recovery of aluminium chloride from a gas containing gaseous aluminium chloride.
138402 (1-8-73)	Process for the manufacture of salts of 2-ketogulonic and derivatives.
138422 (16-4-73)	Process for preparing prostaglandin of the "one" series.
138424 (13-7-73)	Process for the preparation of azindole fused heterocyclic compounds.
138442 (30-4-75)	Process for producing N-phosphono-methyl glycine.
138449 (9-1-73)	A process for the preparation of black tea from green or unfermented tea.
138462 (29-12-73)	A method of steel making.
138484 (25-7-74)	A process for the preparation of oil well clinker.
138487 (26-6-74)	Process for the preparation of N-amino-sulfonylated derivatives of carbofuran.
138488 (19-4-74)	Oxygen deliquification process.
138489 (28-2-74)	Process for the production of a methane containing gas.
138490 (19-9-73)	Process for manufacture of prostanoic acid derivative.
138499 (4-10-72)	Method and apparatus for oxygenating waste liquid.
138511 (3-1-74)	Method of preparing pharmaceutical formulation.
138521 (14-8-74)	Improvements in or relating to instant tea powder and crystal.
138558 (7-11-73)	Improvements in or relating to barrier cream having protective action against deleterious material.
138574 (21-3-73)	Process for the production of a water insoluble preparation of a peptide material.

138604 (12-2-73) Process for the preparation of water-insoluble iminoazo dyestuff.

138613 (28-2-73) Process for producing catalyst composition.

RENEWAL FEES PAID

97412 97438 97507 97562 97630 97637 97720 97828 97829
 97834 98478 98541 98755 103331 103377 103468 103615
 103620 103682 103733 103944 104008 104041 104162 104182
 104338 104395 107482 108826 109019 109026 109038 109064
 109072 109092 109146 109154 109386 113928 113956 113961
 114043 114103 114292 114388 114666 114855 115115 115116
 119318 119420 119444 119494 119582 119799 119816 119830
 119874 119950 119968 120065 120069 120166 120434 120579
 120627 124592 124660 124723 124855 124976 124989 124998
 125052 125068 125075 125177 125276 125381 125500 125521
 125768 125787 125907 126176 129833 129965 130021 130113
 130114 130164 130165 130219 130241 130298 130318 130378
 130379 130433 130803 131093 131200 134195 134256 134279
 134291 134305 134306 134307 134323 134340 134354 134356
 134363 134365 134416 134444 134475 134491 134508 134525
 134598 134622 134677 134700 134722 134743 134880 134882
 134949 134950 134951 135110 135850 136080 136137 136138
 136630 136571 137338 137596 137734 138100 138160 138204
 138247 138269 138617 138656 138662 138717 138740 139011
 139080 139171 139364 139619 139804 139932 139947 140004
 140141 140236 140263 140311 140397 140428 140452 140595
 140606 140732 140777 140834 140857 140925 141050 141151
 141160 141254 141259 141262 141273 141300 141550 141781
 141864 142015 142190 142533 142582 142600 142732 142871
 143185 143210 143215 143355 143396 143499 143644 143645
 143646 143722 143797 144008 144051 144112 144835 145022
 145258 145355 145366 145516 145663 145665 145687 145727
 145729 145787 145847 145848 145867 145981

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140852 granted to University of Utah for an invention relating to "Production of Silicon nitride from rice hulls". The patent ceased on the 5th September 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 6th October, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th April 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 140285 dated the 2nd July 1974 made by Arvinder Singh Brara on the 2nd February, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 19th May 1979 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The date shown in each entry is the date of registration of open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration the design included in the entry.

Class 1, No. 148639. Jagdish Prasad Gupta, Sole Proprietor of Road Reflective Roses, 281/1 Prampuri Meerut

City, Uttar Pradesh, India, an Indian National. "Reflector", July 16, 1979.	Name	Application No.
Class 1. No. 148643. Bibhuti Bhusan Sarkar, Indian, P. 533, Raja Basanta Roy Road, Calcutta-700029, West Bengal, India. "Inverted Flame Kerosene Lamp". July 16, 1979.	American Can Company.—1149/Cal/79.	
Class 3. No. 148569. Alarsin Pharmaceuticals (India) Private Limited an Indian Company of Orion House, 4th Floor, 12, K. Dubash Marg, Fort, Bombay-400023, Maharashtra, India. "Ruller-cum-Viewing Glass". June 25, 1979.	American Cyanamid Co.—1194/Cal/79.	
Class 3. No. 148571. Larsen & Toubro Limited of L & T. House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company, "a Busbar Support for Switchboards", June 26, 1979.	American Home Products Corporation.—1153/Cal/79.	
Class 3. No. 148585. Milan Supari Company Private Limited, an Indian Company of 155-157, Sheriff Devji Street, Bombay-400003, State of Maharashtra, India. "Containers", June 29, 1979.	American Radionic Co., Inc.—852/Del/79.	
Class 3. No. 148607. Jagdamba Glass & Plastic, New Cutlery Market, Room No. 22, 2nd floor, near Jumma Masjid, Bombay-400002, Maharashtra, an Indian proprietary firm. "Mirror-cum-Calender", July 9, 1979.	Ateliers Des Charmilles S.A.—793/Del/79.	
Class 3. No. 148641. Plastic & Metal Devices (India), H. 172, Ashok Vihar, Delhi-110052, India, an Indian Partnership Firm. "Pencil Sharpner", July 16, 1979.	B	
Class 3. No. 148646. J. K. Batteries of Urdu Ghar, 212, Din Daul Upadhyaya Marg, New Delhi-110002, "a Torch", July 16, 1979.	BASF Aktiengesellschaft.—1219/Cal/79.	
Class 3. No. 148647. Moona Plastic Industries, Subhash Marg, Jogeshwari East, Bombay-400060, Maharashtra State, an Indian Partnership Firm. "Pouring Spout cum-closure" July 17, 1979.	B.F. Goodrich Company, The.—1213/Cal/79, 1234/Cal/79.	
Class 3. No. 148657. Vijay Gopaldas Jhangiani an Indian citizen, C/o Duplex Engineering Works, 232-233 Acharya Commercial Centre, Near Basant Cinema, Chembur, Bombay-400074, Maharashtra. "Spider Pad", July 18, 1979.	Babcock Product Engineering Ltd.—853/Del/79.	
Class 3. No. 148660. Hindustan Rubber Industries, 6, The Mall, Agra (UP), an Indian Proprietorship Concern. "Sole", July 18, 1979.	Baga, S.L.—308/Bom/79.	
Class 4. No. 148586. Milan Supari Company Private Limited of 155-157, Sheriff Devji Street, Bombay-400003, State of Maharashtra, India. "Containers", June 29, 1979.	Banerjee, B. K.—210/Mas/79.	
Class 4. No. 148948. Mafco Ltd., (a limited company incorporated under the Indian Companies Act and owned by the Government of Maharashtra), 6th floor, Mistry Bhawan, Dinshaw Wachha Road, Churchgate, Bombay-20, Maharashtra State. "Bottle", October 30, 1979.	Bapat, S.B.—316/Bom/79, 317/Bom/79, 318/Bom/79.	
Name Index of applicants for patents for the month of November, 1979 (Nos. 1141/Cal/79 to 1260/Cal/79, 303/Bom/79 to 336/Bom/79, 196/Mas/79 to 214/Mas/79 and 764/Del/79 to 863/Del/79).	Barr & Stroud Limited.—1142/Cal/79.	
	Basu, D. P.—1252/Cal/79.	
	Bau-Und Forschungsgesellschaft Thermoform A. G. 1245/Cal/79.	
	Bayer Aktiengesellschaft.—792/Del/79, 805/Del/79.	
	Bhagat, A. S.—769/Del/79, 770/Del/79, 771/Del/79, 772/Del/79.	
	Bharat Heavy Electricals Limited.—778/Del/79, 821/Del/79, 822/Del/79, 823/Del/79, 824/Del/79.	
	Bhatnagar, S.—820/Del/79.	
	Bhide, V. R.—825/Del/79.	
	Biphase Energy Systems, INC.—817/Del/79.	
	Bochumer Eisenhutte Heintzmann GMBH & Co.—1181/Cal/79.	
	Bolme, D. W.—764/Del/79.	
	Borcoman, M.—1207/Cal/79.	
	Brennstoffinstitut Freiberg.—1164/Cal/79.	
	Bridgestone Tire Co., Ltd.—1235/Cal/79.	
	Britz, D. M.—1218/Cal/79.	
	Budhay, S. S.—306/Bom/79.	
	C	
	Carborundum Universal Ltd.—211/Mas/79.	
	Chablani, H. S.—830/Del/79.	
	Chaugule, P. J.—330/Bom/79.	
	Clark & Vicario Corporation.—856/Del/79.	
	Colgate Palmolive Company.—807/Del/79.	
	Combustion Engineering Inc.—1208/Cal/79, 1215/Cal/79.	
	Comp Air Industrial Limited.—1244/Cal/79.	
	Council of Scientific and Industrial Research.—767/Del/79, 768/Del/79, 773/Del/79, 783/Del/79, 784/Del/79, 785/Del/79, 797/Del/79, 798/Del/79, 799/Del/79, 800/Del/79, 835/Del/79.	
	Creusot-Loire.—782/Del/79.	
	Crucible Societe Anonyme.—815/Del/79.	
	Cummins Engine Company, Inc.—1160/Cal/79, 1179/Cal/79, 1180/Cal/79.	
	D	
	Diamond Shamrock Corporation.—1141/Cal/79, 1226/Cal/79.	
	Didier Engineering GMBH.—1183/Cal/79.	
	Dorr-Oliver Incorporated.—810/Del/79.	
	Dunlop Limited.—814/Del/79.	
	E	
	Energiagazdalkodasi Intezet.—1250/Cal/79.	
	Enso-Gutzeit Osakeyhtio.—1247/Cal/79.	

Name	Application No.
Estrela Batteries Ltd.—331/Bom/79.	
Euteco Impianti S.p.A.—1211/Cal/79.	
<i>F</i>	
Fertilizer (Planning & Development) India Ltd., The.—1165/Cal/79.	
Fives-Cail Babcock.—1243/Cal/79.	
Fletcher Sutcliffe Wild Limited.—1184/Cal/79, 1237/Cal/79, 1241/Cal/79.	
Fosco Trading A.G.—1259/Cal/79.	
Fuel Instruments & Engineers Pvt. Ltd.—333/Bom/79.	
Fuji Latex Company Limited.—1144/Cal/79.	

<i>G</i>	
G. D. Societa Per Azioni.—848/Del/79.	
G. P. Tronics.—1227/Cal/79.	
Gambhir, H. C.—322/Bom/79.	
General Electric Company.—1182/Cal/79, 1228/Cal/79.	
General Tire & Rubber Co., The.—847/Del/79.	
George, P. V.—204/Mas/79.	
Ghosh, S. (Dr.)—836/Del/79, 837/Del/79.	
Giammarce, G.—1187/Cal/79.	
Giammarce, P.—1187/Cal/79.	
Girling Ltd.—212/Mas/79.	
Gould Inc.—1166/Cal/79, 1174/Cal/79.	
Gulf Oil Corporation.—1147/Cal/79, 1148/Cal/79, 1151/Cal/79, 1152/Cal/79, 1155/Cal/79.	

<i>H</i>	
Halifax Tool Company Limited.—1169/Cal/79, 1170/Cal/79.	
Harlalka, A. R.—326/Bom/79.	
Hazemeijer B. V.—1258/Cal/79.	
Heinrich Kopp GMBH & Co., K.G.—1191/Cal/79.	
Hindustan Lever Limited.—312/Bom/79.	
Hitachi, Ltd.—1256/Cal/79.	
Hollandse Signaalapparaten B.V.—1231/Cal/79, 1242/Cal/79.	
Hunt & Moscrop (Textile Machinery) Limited.—1156/Cal/79.	

<i>I</i>	
Imperial Chemical Industries Limited.—803/Del/79.	
Indian Institute of Science.—207/Mas/79, 213/Mas/79.	
Institut Tekhnicheskoi Teplofiziki Akademii Ukrainskoi SSR.—1145/Cal/79.	
Iyer, V. R.—329/Bom/79.	

<i>J</i>	
Jacobs Manufacturing Company, The.—1150/Cal/79, 1253/Cal/79.	
Jadeja, R. B.—315/Bom/79.	
Jain, S. K.—311/Bom/79.	
Jay Engineering Works Ltd., The.—811/Del/79.	

<i>K</i>	
Kabel Und Metallwerke Gutehoffnungshutte Aktiengesellschaft.—1172/Cal/79.	
Kadevi Engineering Co., Pvt. Ltd.—214/Mas/79.	
Kaneshe Company Limited.—1220/Cal/79.	
Khanna, R. B.—779/Del/79.	
Kintyre Enterprises Limited.—861/Del/79.	
Klein, Schanzlin & Becker Aktiengesellschaft.—1158/Cal/79.	
Klockner-Humboldt-Deutz Aktiengesellschaft.—791/Del/79.	

Name	Application No.
Kumar, A.—857/Del/79.	
Kumar, V.—857/Del/79.	
Kumiai Chemical Industry Co., Ltd.—1254/Cal/79.	

<i>L</i>	
Laboratorio Guidotti & Co., S.p.A.—1229/Cal/79.	
Larsen, R. B.—1240/Cal/79.	
Lucas Industries Limited.—1192/Cal/79, 1196/Cal/79, 1197/Cal/79, 1198/Cal/79, 1199/Cal/79, 1200/Cal/79, 1201/Cal/79, 1202/Cal/79, 1203/Cal/79, 1204/Cal/79, 1230/Cal/79, 197/Mas/79, 202/Mas/79, 203/Mas/79, 206/Mas/79.	

<i>M</i>	
Maag Gear-Wheel & Machine Company Limited.—1163/Cal/79.	
Madhusudan.—307/Bom/79.	
Magyar Aluminiumipari Troszi.—1176/Cal/79.	
Mahlo GMBH & Co. K.G.—1225/Cal/79.	
Maschinenfabrik Rudolf Hausherr & Sohne GmbH & Co., K.G.—842/Del/79.	
McCAW, T. M.—1185/Cal/79.	
Metallgesellschaft Aktiengesellschaft.—1157/Cal/79, 1223/Cal/79.	
Midland-Ross Corporation.—1217/Cal/79.	
Mistry, K. H.—335/Bom/79.	
Mohan, R. C.—844/Del/79, 845/Del/79, 846/Del/79.	
Mohanani, P. P.—305/Bom/79, 325/Bom/79.	
Monsante Company.—1186/Cal/79.	
Mukherjee, C. R.—1246/Cal/79.	
Mungi, M. A. (Mrs.).—314/Bom/79.	

<i>N</i>	
Nauchno-Issledovatel'sky Institut Kommunalnogo Vodosnabzheniya I Ochistki Vody Akademii Kommunalnogo Khozyaistva Imeni K. D. Pamyatova.—1216/Cal/79.	
Nauchno-Issledovatel'sky Institut Vodnykh Problem.—1216/Cal/79.	

<i>O</i>	
O & K Orenstein & Koppal Aktiengesellschaft.—834/Del/79.	
Opytne Konstruktorsko-Tekhnologicheskoe Bjuro Instituta Tekhnicheskogo Teplofiziki Akademii Nauk Ukrainskoi SSR.—1145/Cal/79.	
Otisca Industries Limited.—788/Del/79.	

<i>P</i>	
P. R. Mallory & Co., INC.—309/Bom/79, 320/Bom/79, 321/Bom/79.	
Pacific Metals Co., Ltd.—1143/Cal/79.	
Padmanabhan, N.—209/Mas/79.	
Pandit, S. D.—336/Bom/79.	
Pandit, V. B.—310/Bom/79.	
Pandit, V. K.—774/Del/79, 775/Del/79, 776/Del/79, 777/Del/79.	
Pandrol Limited.—855/Del/79.	
Pathak, B. K.—1146/Cal/79.	
Paul Wurth S. A.—828/Del/79.	
Peddinghaus, R.—1188/Cal/79.	
Peico Electronics & Electrical Ltd.—303/Bom/79.	
Pfizer Inc.—787/Del/79, 794/Del/79, 809/Del/79.	
Pilkington Brothers Limited.—1210/Cal/79.	

<i>Name</i>	<i>Application No.</i>
Pont-A-Mousson S.A.—851/Del/79.	
Pracdes Pty. Limited.—827/Del/79.	
<i>R</i>	
Racold Appliances Pvt. Ltd.—858/Del/79, 859/Del/79.	
Rajagopalan, K.—1195/Cal/79.	
Ramaiah, N. A. (Dr.)—790/Cal/79.	
Ranade, S. W.—334/Bom/79.	
Rao, T.L.S.—198/Mas/79, 199/Mas/79.	
Rao, U. M.—209/Mas/79.	
Reeves Brothers, Inc.—816/Del/79.	
Roy, S.—1239/Cal/79.	
Ruhrchemie Aktiengesellschaft.—849/Del/79.	
<i>S</i>	
S.R.K. Textiles.—766/Del/79.	
S.R.M. Hydromekanik Aktiebolag.—765/Del/79.	
Saint-Gobain Industries.—1214/Cal/79.	
Salete-Garces, F.—840/Del/79.	
Sarkar, M. (Dr.)—1257/Cal/79.	
Sarkar, P. R.—328/Bom/79.	
Satak, S. N.—796/Del/79.	
Schloemann-Siemag Aktiengesellschaft.—813/Del/79.	
Sethia, N. K.—324/Bom/79.	
Sharma, J. K.—826/Del/79.	
Shell Internationale Research Maatschappij B. V.—1221/Cal/79.	
Sheth, S. M.—319/Bom/79.	
Shin-Etsu Chemical Co., Ltd.—1168/Cal/79.	
Siemens Aktiengesellschaft.—1260/Cal/79.	
Singh, A.—829/Del/79.	
Siren, M. J.—854/Del/79.	
Sitharama Rao, T. L.—198/Mas/79, 199/Mas/79.	
Smith Kline & French Laboratories Limited.—804/Del/79.	
Smiths Industries Limited.—831/Del/79.	
Societa' Italiana Resine S.I.R. S.p.A.—1212/Cal/79.	
Societe Chimique Des Charbonnages.—839/Del/79.	
Societe DE Paris FT DU Rhone.—1175/Cal/79, 819/Del/79.	
Societe Des Produits Nestle S.A.—1177/Cal/79.	
Societe France-Belge Des Laminiers Et Trefileries D' Anvers "Lamitref".—863/Del/79.	
Societe Nationale Elf Aquitaine (Production).—1173/Cal/79.	
Southwire Company.—786/Del/79.	
Srivastava, S. K. (Dr.)—790/Del/79.	
Stablex A. G.—1161/Cal/79.	

<i>Name</i>	<i>Application No.</i>
Standard Oil Company, The.—806/Del/79.	
Stein Industrie.—843/Del/79.	
Subramanyam, S.—198/Mas/79, 199/Mas/79.	
Sumitomo Chemical Company, Limited.—1162/Cal/79.	
Sundaram-Abex Ltd.—210/Mas/79.	
Synair Corporation.—860/Del/79.	
<i>T</i>	
TBA Industrial Products Limited.—808/Del/79.	
TRW Inc.—1205/Cal/79, 1206/Cal/79.	
Technico Engineering Industries.—323/Bom/79.	
Tosbin Kogyo Co., Ltd.—1178/Cal/79.	
Toyo Jozo Kabushiki Kaisha.—1236/Cal/79.	
Tsat, K. L.—1255/Cal/79.	
Tsentralny Nauchno-Issledovatel'sky Institut Chernoi Metal-lurgii Imeni I.P. Bardina.—1232/Cal/79.	
Toyo Engineering Corporation.—850/Del/79.	
<i>U</i>	
USM Corporation.—802/Del/79, 833/Del/79.	
Union Carbide Corporation.—1159/Cal/79, 1193/Cal/79, 789/Del/79, 801/Del/79, 841/Del/79, 862/Del/79.	
Unit Rig & Equipment Company.—795/Del/79.	
<i>V</i>	
Varghese, C.—208/Mas/79.	
Varughese, J.—332/Bom/79.	
Veb Kombinat Textima.—1189/Cal/79.	
Veb Mansfeld Kombinat Wilhelm Pieck.—1176/Cal/79.	
Veb Pkm Anlagebau Leipzig.—1167/Cal/79.	
Vereinigte Aluminium-Werke AG.—1157/Cal/79.	
Vergheese, M.—196/Mas/79, 200/Mas/79, 201/Mas/79.	
Voest-Alpine Aktiengesellschaft.—1209/Cal/79.	
Voltas Limited.—327/Bom/79.	
<i>W</i>	
Waddington, A. B.—812/Del/79.	
Wakayama Iron Works, Limited.—1248/Cal/79, 1249/Cal/79.	
Woserhutte Aktiengesellschaft.—1224/Cal/79.	
Western States Machine Company, The.—1238/Cal/79, 1251/Cal/79.	
Westinghouse Electric Corporation.—1233/Cal/79.	
Wybauw, J.—818/Del/79.	

S. VEDERAMAN,
Controller General of Patents, Designs
and Trade Marks

